

Information for File # 2005-1105-TJF

Applicant: Harstad Companies

Corps Contact: Tim Fell

Address: 190 Fifth Street East; St. Paul, MN 55101-1638

E-Mail: timothy.j.fell@mvp02.usace.army.mil

Phone: (651) 290-5360

County: Ramsey

Location: NE ¼ SE ¼ Section 7, T30N, R23W

Information Complete On: March 4, 2005

Posting Expires On: April 25, 2005

Authorization Type: Section 404 Letter of Permission

Project: The project involves the construction of a residential development referred to as Red Oak Estates, in Mounds View. The property is located west of Long Lake Road and south of County Road H2. 72 townhomes would be created in 11 buildings. A water quality treatment pond and an infiltration basin are also proposed.

It is estimated that 0.42 acre of wetland would be filled to allow for this construction. The majority of wetland area being filled involves a ditch/wetland complex that holds and directs runoff from several inlets. The applicant indicated that the dominant vegetation in the wetland impact areas is reed canary grass, with some sedges. Other species listed on the site included: ostrich fern, joe-pye weed, jewelweed, cattail, goldenrod, Virginia creeper, glossy and common buckthorn, American elder, box elder, cottonwood, aspen and elm trees.

As replacement, the applicant proposes to excavate upland along Long Lake Road, adjacent to existing wetland, to create about 0.6 acre of new wetland. Based on the proposed design a Type 2/3 shallow marsh wetland would be created.

Drawings See attached.



Peterson
Environmental
Consulting, Inc.

No Scale



05-1105-TJF

Site Location
Red Oak Estates
Mounds View, Minnesota

FIGURE 1

PEC Project No. 2004-075

1	02/01/05	PRELIM GRADING PLAN	MMD
NO.	DATE	DESCRIPTION	BY

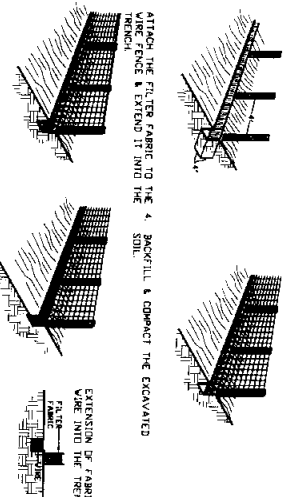
Existing Legal Description
 Lots 1 thru 74 inclusive, Block 1
 RED OAK ESTATES No. 3
 Ramsey County, Minnesota

PRELIMINARY GRADING PLAN **RED OAK ESTATES** FOR: HARSTAD COMPANIES 2181 Silver Lake Road New Brighton, Minnesota 55112 (612) 636-3761



1 INCH = 50 FEET

SILT FENCE
 1. SET POSTS AND EXCAVATE 2' X 4' X 4' POSTS
 2. STAPLE WIRE FENCING TO THE POSTS
 3. ATTACH THE FILTER FABRIC TO THE 4' BACKFILL & COMPACT THE EXCAVATED TRENCH



EXISTING VOLUMES FLOOD PLAN		
ELEVATION (FT)	AREA (FT²)	ACCUM. VOL. (FT³)
880	3,181	0
881.5	49,889	38,810
882	80,135	72,324
884	218,945	389,424

PROPOSED VOLUMES		
ELEVATION (FT)	AREA (FT²)	ACCUM. VOL. (FT³)
880	17,689	0
881.5	88,478	79,633
882	98,280	126,325
884	148,853	374,468

Total Proposed vs. Existing Volumes:

Prop Total Vol 374,468 (FT³)

Existing Vol. Total 389,424 (FT³)

I hereby certify that this survey, plan, or map was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Date: _____ Reg. No. _____

E.G. RUD & SONS, INC.
 LAND SURVEYORS
 8180 LEXINGTON AVE NE
 CIRCLE PINES, MN 55014
 TEL: (612) 766-5555 FAX: (612) 766-6007

LEGEND

- × 988.9 DENOTES EXISTING ELEVATION
- DENOTES PROPOSED ELEVATION
- DENOTES EXISTING CONTOUR
- DENOTES PROPOSED CONTOUR
- DENOTES DIRECTION OF DRAINAGE
- DENOTES SILT FENCE/CONSTRUCTION LIMITS
- DENOTES WETLAND
- DENOTES WETLAND FILL
- DENOTES DITCH FILL
- DENOTES WETLAND W/IRIGATION

MINIMUM BASEMENT ELEV. = 886.0

NOTES: - TOPO VERIFIED IN FIELD BY E.G. RUD AND SONS, INC.
 - WETLAND DELINEATED BY PETERSON ENVIRONMENTAL CONSULTING, INC.

- Hydrant
- Catch Basin
- Mail Box
- Power Pole
- Guy Wire
- Storm Manhole
- Gate Valve
- Sanitary Manhole

SITE PLANNING
PLUME ENGINEERING, INC.
 9180 LEXINGTON AVENUE NE
 CIRCLE PINES, MN 55014
 (763) 785-1043

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the State of Minnesota.

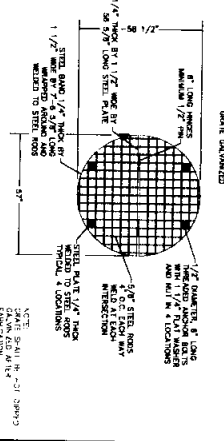
DATE: _____ LIC. NO. _____ 18227

EROSION CONTROL / REVEGETATION SPECIFICATIONS

- PRIOR TO GRADE GRADING, INSTALL SILT STOP FENCE ALONG EXISTING DRAINAGE, ADDITIONAL SILT STOP FENCE WILL BE REQUIRED FOR NEW DRAINAGE AREAS. REMOVE EXISTING SILT STOP FENCE PRIOR TO ANY GRADING.
- ANY GRADING SHALL PROCEED IN AN AREA BY AREA BASIS TO MINIMIZE UNCOMPLETED AREAS.
- AS EACH AREA OUTSIDE THE STREET IS GRADED, PROVIDE NATIVE TOPSOIL, SEED, AND MULCH ANCHORED WITH A STRAIGHT SET DISC AS SOON AS PRACTICAL AFTER GRADING.
- MAINTAIN AND REPAIR SILT STOP FENCES INCLUDING REMOVAL OF ACCUMULATED DEBRIS. VEGETATION IS ESTABLISHED AND USE SEED MIX 85% FOR THE POND.
- USE 4000T SEED MIX 28% AND/OR 308-W* FOR THE INFILTRATION AREA.

WETLAND FILL

- WETLAND FILL = 0.10± Acres - 4,455± sq. ft.
- DITCH FILL = 0.02± Acres - 938± sq. ft.
- INFILTRATION AREA = 0.02± Acres - 938± sq. ft.
- PONDING AREA = 0.44± Acres - 19,103± sq. ft.
- INFILTRATION AREA = 0.13± Acres - 5,693± sq. ft.



CONCRETE POND OUTLET SKIMMER
 NO SCALE

